

# Foreword

## How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall that has accumulated high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are combined with snowpack data to prepare runoff forecasts. Streamflow forecasts are coordinated by Soil Conservation Service and National Weather Service hydrologists. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data, and narratives describing current conditions.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation and temperature are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

An error is associated with each forecast, and this error decreases as the season progresses and more data becomes available. To express the range of error that can be expected, "most probable" forecasts are issued along with a range representing a "reasonable minimum" and a "reasonable maximum". Actual streamflow can be expected to fall within this range in eight out of ten years. Additionally two specific scenarios are provided based on the assumption that subsequent precipitation will be "wet", above average, or "dry", below average.

## For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola Ave., Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Building A, 3rd floor, Denver, CO 80211
Idaho	3244 Elder Street, Room 124, Boise, ID 83705
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	W. 920 Riverside, Room 360, Spokane, WA 99201-1080
Wyoming	Federal Building, 100 "B" Street, Room 3124, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209-3489.

Water supply reports published by other agencies:

California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

# Utah Water Supply Outlook

and

## Federal – State – Private Cooperative Snow Surveys

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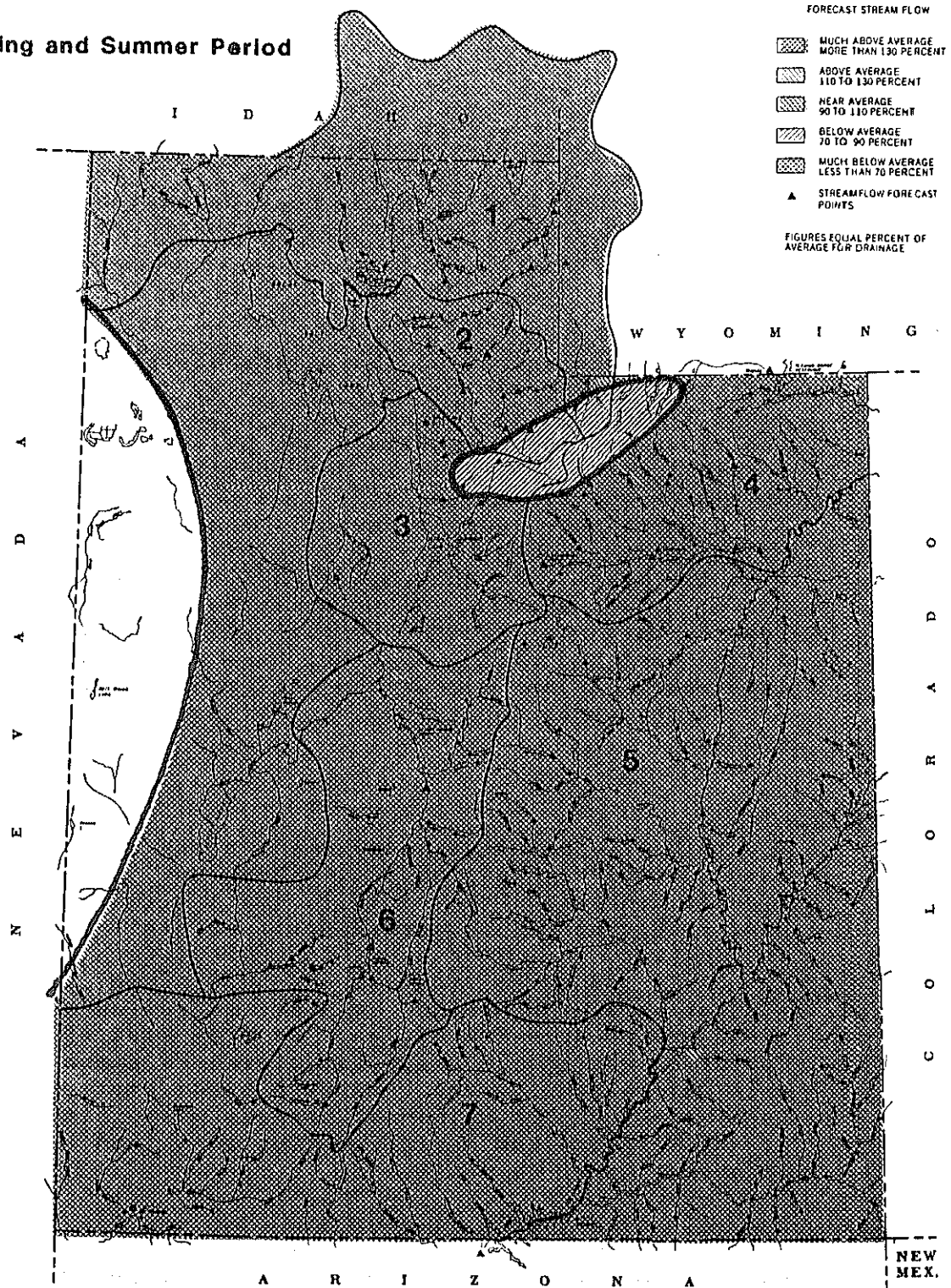
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# Streamflow Prospects for Utah

Spring and Summer Period



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## GENERAL OUTLOOK

### SUMMARY

The second consecutive month of above average temperature and, in some cases, the fifth month of below normal precipitation have decimated the snowpack and caused further reductions in stream-flow forecasts.

### SNOWPACK

Snow water equivalent on the watersheds of Utah has decreased during the month of April by three to eight times more than normal as a result of continued above average temperature and below average precipitation. Snowpack in the southwestern Utah mountains was almost entirely gone with only two of the highest snow courses having a trace of snow. Water content increases generally from south to north with the Bear River snowpack at 57% of normal. The Provo, Weber, and Bear River watersheds have significantly more snow water than last year. Watersheds to the east and south, however, have much less than last year. As an example the Sevier has only one-fourth the water equivalent of last year (19% of average).

### PRECIPITATION

Mountain precipitation measurement sites received below normal rainfall amounts statewide. Rainfall amounts decreased from north to south with the Bear receiving 81% of normal April rainfall ranging downward to 10% of usual in southwestern Utah. The Uinta Mountains received one-half normal precipitation during April. Rainfall at valley stations was no more impressive. An area east of Coalville was near average but elsewhere amounts were well below average. Wasatch front stations received 25 to 50% of normal amounts while sites in the Virgin River basin received less than 25% of normal April rainfall.

Precipitation totals at mountain stations for the water year (October through April) are below normal everywhere but on the Bear River watershed. Seasonal totals now range from 3% above average on the Bear to 39% below average in southwestern Utah. Valley stations have recorded seasonal totals ranging from 45 to 85% of average for the majority of sites. A couple of notable exceptions are Coalville at 121% and Vernal Airport at 25% of normal for the water year.

## RESERVOIRS

Stored reserves in 26 key irrigation reservoirs in Utah are 76% of capacity and 100% of average for the end of April. Above average early streamflows resulting from earlier than normal snowmelt helped increase stored water volumes before major releases were necessary and produced significant improvement in several reservoirs. Deer Creek, Rockport and East Canyon still may not fill entirely but will be close. The Great Salt Lake appears to have peaked in mid-April at 4206.80 feet. The May first reading was 4206.65 feet. The pumps feeding the the West Desert evaporation lake will be deactivated at the end of June.

## STREAMFLOW

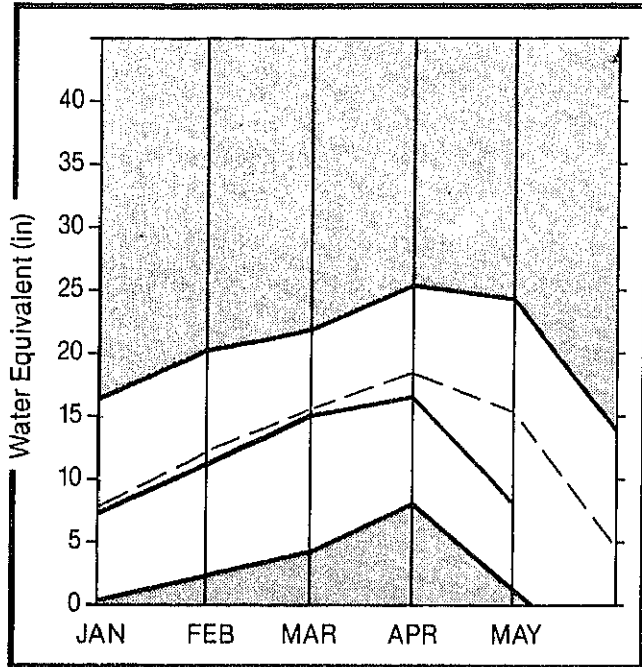
Peak flow occurred as much as a month earlier than usual this season following the early melt. This was helpful in providing storage reserves in reservoirs prior to the irrigation season but will mean low flows earlier in the growing season for those water users relying on natural flow. April flows of 175% of average on the Upper Weber will be followed by May through July flows in the 40 to 45% range for example. Forecasts declined from levels projected last month as a result of light April precipitation and now generally range from one-half to three-fourths of average for the April through July forecast period. May through July flows, however, will only be in the 20 to 45% range. Water managers in southern portions of the State are already looking at use restrictions unless relief in the form of precipitation materializes.

## NOTICE

SEE PAGE 25 FOR INFORMATION CONCERNING THE FUTURE OF THIS PUBLICATION.

# Bear River Basin

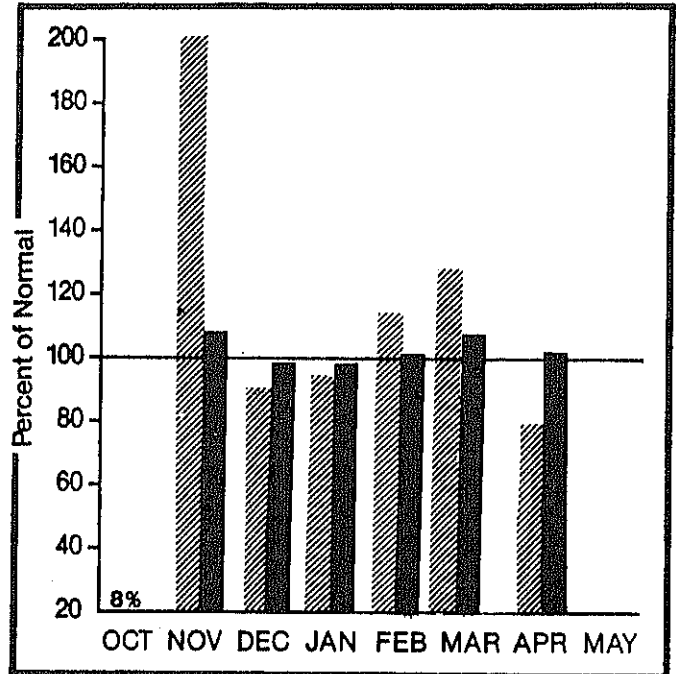
Mountain snowpack\* (inches)



\*Based on selected stations

Maximum Average   
Minimum Current

Precipitation\* (percent of normal)



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

April weather continued the above normal temperature pattern begun in March. Mountain precipitation was below average in April. The combination of the above factors led to snowpack losses which exceeded three times normal during the month of April which leaves May first snowpack at 57% of average. Precipitation at mountain stations since the beginning of the water year is now only three percent above average. Streamflow forecasts are for much below average flows this season. Reservoir storage is 85% of average.

For more information contact your local  
Soil Conservation Service Office:  
Tremonton Field Office 801-257-5403  
Logan Field Office 801-753-5616

# BEAR RIVER BASIN

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
BEAR RIVER near UT-WY Stateline	APR-JUL	80	68	87	73	108	52	116
BEAR near Woodruff	APR-JUL	85	57	94	79	157	39	150
WOODRUFF CREEK near Woodruff	APR-JUL	11.0	64	11.5	10.5	14.5	7.5	17.3
BIG CREEK near Randolph	APR-JUL	3.5	66	3.8	3.2	6.2	1.6	5.3
BEAR near Randolph	APR-JUL	58	47	68	51	117	26	126
SMITHS FORK near Border	APR-SEP	75	61			132	18.4	123
THOMAS FORK near Stateline	APR-SEP	22	59	24	19.8	39	9.4	37
BEAR RIVER near Harer	APR-SEP	188	61			305	70	310
BEAR RIVER blw Stewart Dam	APR-SEP	148	50			220	77	298
CUB RIVER nr Preston	MAY-JUL	27	59	29	25	44	10.4	46
LITTLE BEAR RIVER near Paradise	APR-JUL	30	66	35	26	46	13.5	46
LOGAN RIVER near Logan	APR-JUL	90	74	94	86	112	68	122
BLACKSMITH FORK near Hyrum	APR-JUL	35	65	37	34	49	21	51

RESERVOIR STORAGE					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE : CAPACITY:	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS	LAST	AVG.			LAST YR.	AVERAGE
		YEAR	YEAR					
BEAR LAKE	1421.0	888.8	1088.0	1053.0	BEAR RIVER, UPPER IN UTAH	6	114	40
HYRUM	15.3	15.5	15.3	13.2	BEAR RIVER, LOWER IN UTAH	10	151	66
PORCUPINE	11.3	11.3	7.2	9.5	BEAR R. DRAINAGE IN UTAH	15	138	60
WOODRUFF NARROWS	55.8	29.9	55.4	---	BEAR RIVER, UPPER	12	117	56
WOODRUFF CREEK		NO REPORT			BEAR RIVER, LOWER	13	122	58
					BEAR RIVER DRAINAGE	23	134	58
					LOGAN RIVER	5	158	76
					RAFT RIVER	0	0	0
					BEAR RIVER BASIN	25	131	57

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

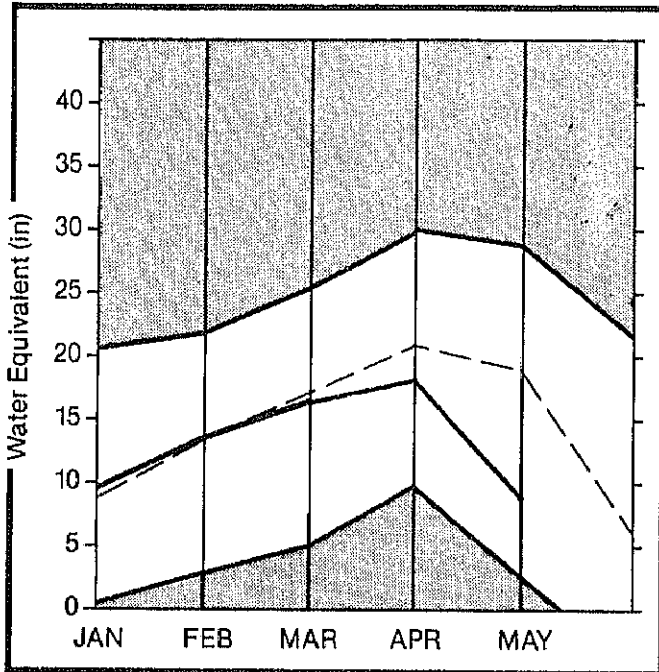
REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.



# Weber & Ogden Watersheds

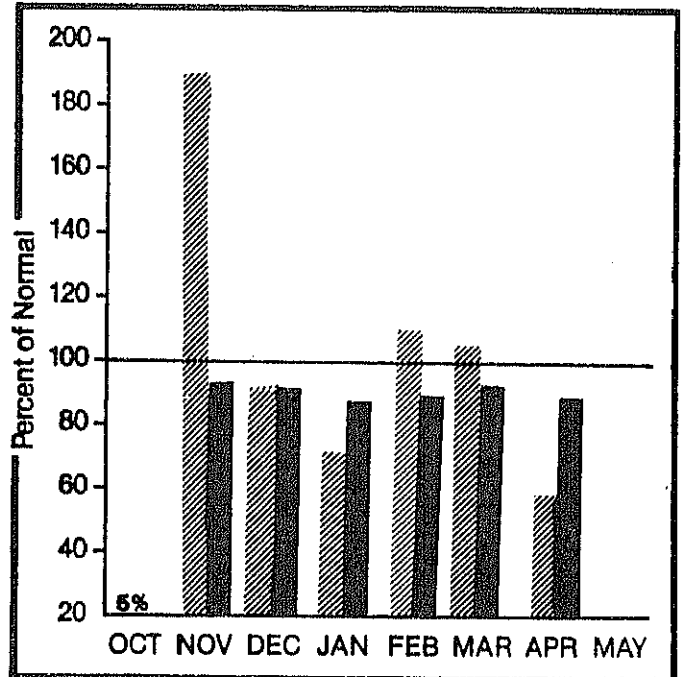
Mountain snowpack\* (inches)



\*Based on selected stations

Maximum  Average   
Minimum  Current 

Precipitation\* (percent of normal)



\*Based on selected stations

Monthly precipitation  Year to date precipitation 

## WATER SUPPLY OUTLOOK:

The Weber River watershed experienced more than three times normal snow water loss during April leaving May first water content at 51% of average. Above average temperatures during April and precipitation of only 57% of usual at mountain stations led to the unusually heavy decline in the snowpack. Precipitation for the water year is 89% of normal. Streamflow forecasts have been reduced from levels projected last month and now range from 52 to 73% of normal. Reservoir storage is near capacity (93%) and 123% of the end of April average.

For more information contact your local  
Soil Conservation Service Office:  
Layton Sub Office 801-544-9144

WEBER & OGDEN WATERSHEDS in Utah

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
SMITH AND MOOREHOUSE CREEK near Oakl	APR-JUN	22	73			27	17.8	30
WEBER RIVER near Oakley	APR-JUN	78	71			93	61	107
ROCKPORT RESERVOIR inflow	APR-JUN	74	62			103	48	120
CHALK CREEK near Coalville	APR-JUN	25	61			37	15.2	41
WEBER RIVER near Coalville	APR-JUN	78	61			107	50	127
ECHO RESERVOIR inflow	APR-JUN	106	65			143	70	163
LOST CREEK near Croyden	APR-JUN	10.7	68			15.2	6.2	15.6
EAST CANYON CREEK near Morgan	APR-JUN	15.0	52	15.9	14.1	26	9.5	29
HARDSCRABBLE CREEK near Porterville	APR-JUN	13.0	71	13.7	12.3	20	5.8	18.4
WEBER RIVER at Gateway	APR-JUN	181	55			245	119	328
SOUTH FORK OGDEN RIVER near Huntsvil	APR-JUN	34	59	37	31	51	21	58
PINEVIEW RESERVOIR inflow	APR-JUN	70	57	75	65	94	48	122
WHEELER CREEK near Huntsville	APR-JUN	4.3	68	4.7	3.9	5.6	3.2	6.3
FARMINGTON CREEK near Farmington	APR-JUL	5.1	62	5.3	4.9	8.3	1.9	8.2

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE : CAPACITY :	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
		THIS YEAR	LAST YEAR	AVG.			
CAUSEY	7.1	5.9	6.8	2.6	OGDEN RIVER	4	147 54
EAST CANYON	48.1	44.3	40.1	41.5	WEBER RIVER	14	158 49
ECHO	73.9	68.4	69.5	54.2	WEBER & OGDEN WATERSHEDS	18	154 51
LOST CREEK	20.0	20.7	19.4	14.3			
PINEVIEW	110.1	105.3	57.8	78.8			
ROCKPORT	60.9	44.0	41.8	38.8			
WILLARD BAY	165.5	162.0	152.5	139.7			

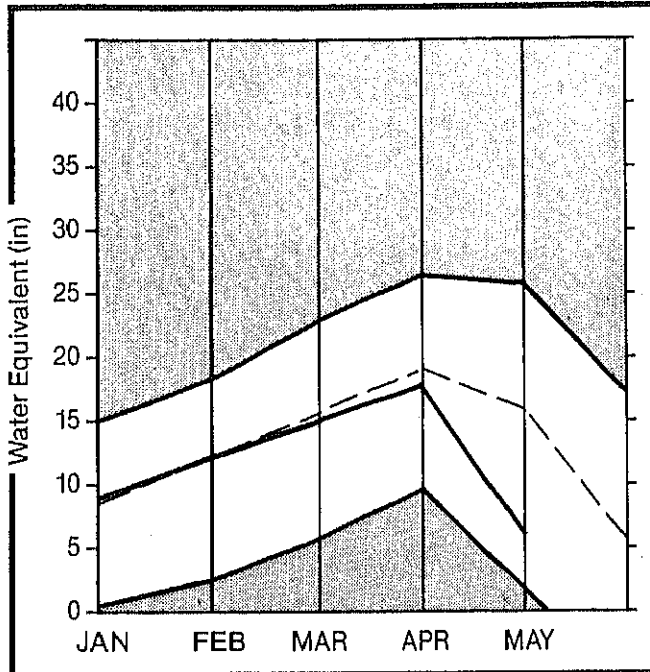
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

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(2) - Corrected for upstream diversions or changes in reservoir storage.

# Utah Lake, Jordan River & Tooele Valley

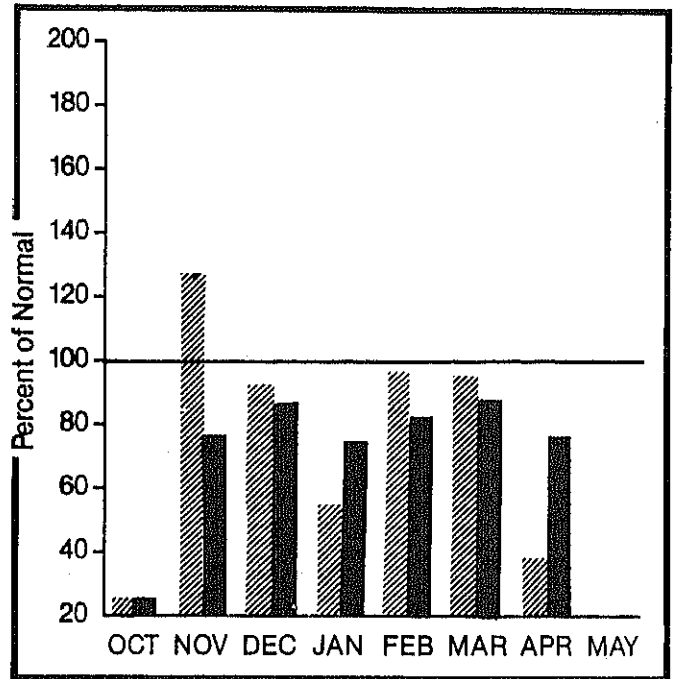
**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum  Average   
Minimum  Current 

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation  Year to date precipitation 

## WATER SUPPLY OUTLOOK:

Snow water content suffered the greatest April decline in the last thirty years. Another month of above average temperature and below average mountain precipitation resulted in a loss of 11.3 inches of snow water compared to a normal loss of 3.1 inches. May first water content in the snowpack is only 41% of normal. April precipitation at mountain stations was one-third of normal bringing water year accumulation to 77% of average. Projections of spring and summer streamflows have declined since last month and now range from 48 to 73 percent of average. Reservoir storage is 94% of average.

For more information contact your local  
Soil Conservation Service Office:  
Midvale Field Office 801-524-4373  
Provo Field Office 801-377-5580

UTAH LAKE, JORDAN RIVER & TOOELE VALLEY

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
SALT CREEK near Nephi	APR-JUL	8.5	70			14.8	4.1	13.5
PAYSON CREEK near Payson	APR-JUL	4.3	59					7.3
SPANISH FORK near Castilla	APR-JUL	43	54					80
HOBBLE CREEK near Springville	APR-JUL	13.7	59					23
PROVO near Hailstone	APR-JUL	62	73			103	63	113
PROVO below Deer Creek Dam	APR-JUL	92	69			124	60	133
AMERICAN FORK near American Fk.	APR-JUL	21	62			25	17.3	34
UTAH LAKE inflow	APR-JUL	162	55			255	71	295
LITTLE COTTONWOOD CRK near SLC	APR-JUL	30	73			33	28	41
BIG COTTONWOOD CRK near SLC	APR-JUL	28	72			31	23	39
PARLEY'S CREEK near SLC	APR-JUL	11.7	69			16.3	7.1	17.0
MILL CREEK near SLC	APR-JUL	4.3	62			4.6	3.6	6.9
EMIGRATION CREEK near SLC	APR-JUL	2.7	59					4.6
CITY CREEK near SLC	APR-JUL	5.5	61			6.6	4.6	9.0
VERNON CREEK near Vernon	APR-JUN	0.6	59			1.2	0.3	1.2
SETTLEMENT CREEK near Tooele	APR-JUL	1.1	48			2.2	0.2	2.3
SOUTH WILLOW CREEK near Grantsville	APR-JUL	1.9	63			3.3	0.8	3.0

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
		THIS YEAR	LAST YEAR	AVG.			
DEER CREEK	149.6	125.7	137.5	106.9	PROVO RIVER & UTAH LAKE	10	79 22
GRANTSVILLE	3.3	3.3	3.1	—	PROVO RIVER	5	132 81
SETTLEMENT CREEK	1.0	1.0	1.0	0.7	JORDAN RIVER & GREAT SALT	12	146 95
STRAWBERRY-ENLARGED	951.4	559.1	492.6	—	TOOELE & VERNON W.S.'S	4	97 23
UTAH LAKE	855.5	697.0	833.9	766.8	UTAH L.-JORDAN R.-TOOELE	26	119 41
VERNON CREEK	0.6	0.6	0.6	0.6			

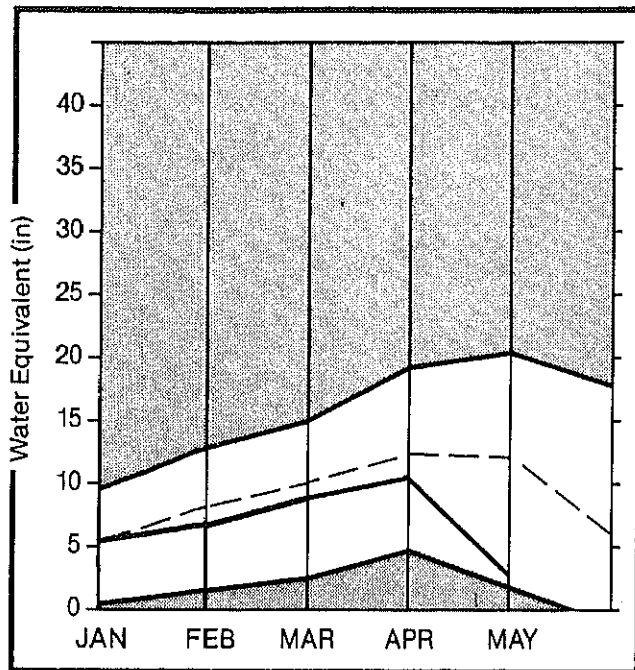
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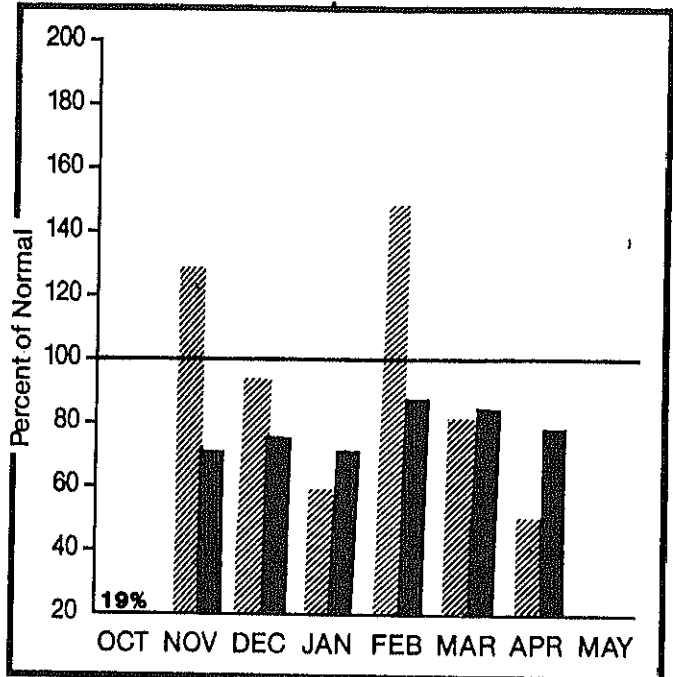
**Mountain snowpack\* (inches)**





\*Based on selected stations

Maximum  Average   
Minimum  Current 

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation  Year to date precipitation 

## 

Abnormally high snow losses during April have reduced snow water content from 81% of average one month ago to 27% of average as of May first. Precipitation at mountain stations during April was one-half normal. Water year precipitation has fallen to 79% of average. Forecasts of streamflow have fallen by 12 to 26 percent from levels projected last month. Streamflow forecasts now range from 56 to 78% of normal for the April through July period. Reserves of stored water are 123% of average.

For more information contact your local  
Soil Conservation Service Office:  
Roosevelt Field Office 801-722-4621

UINTAH BASIN & DAGGET SCD'S

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
BLACK'S FORK nr Millburne	APR-JUL	75	78			99	54	96
EF SMITHS FORK inf to State Line Res	APR-JUL	22	73			30	15.4	30
HENRY'S FORK nr Manila	APR-JUL	25	58			38	15.1	45
GREEN RIVER nr Greendale 2	APR-JUL	850	67			1080	645	1267
BIG BRUSH CREEK ab Red Fleet Res	APR-JUL	15.5	78			19.3	12.3	19.8
ASHLEY CREEK nr Vernal 2	APR-JUL	35	67			45	27	52
WEST FORK DUCHESNE RIVER nr Hanna	APR-JUL	20	71			25	15.5	28
DUCHESNE RIVER nr Tabiona	APR-JUL	75	68			88	62	110
ROCK CREEK nr Mountain Home	APR-JUL	68	72			81	57	95
DUCHESNE RIVER abv Knight Diversion	APR-JUL	135	70			160	110	194
STRAWBERRY RIVER inflow to Strawberr	APR-JUL	40	67			51	29	60
CURRENT CREEK nr Fruitland 2	APR-JUL	19.5	58			17.2	10.3	23
STRAWBERRY RIVER inflow to Starvatio	APR-JUL	44	68			53	35	67
STRAWBERRY RIVER nr Duchesne (natura	APR-JUL	78	64			94	62	121
LAKEFORK RIVER blw Moon Lake 2	APR-JUL	48	68			59	38	71
YELLOWSTONE RIVER nr Altonah	APR-JUL	44	67			62	26	66
DUCHESNE RIVER at Myton 2	APR-JUL	170	62			240	88	275
UINTA RIVER nr Neola	APR-JUL	57	65			90	24	88
WHITEROCKS RIVER nr Whiterocks	APR-JUL	41	68			58	24	60
DUCHESNE RIVER nr Randlett	APR-JUL	190	58			420	78	340

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
		THIS YEAR	LAST YEAR	AVG.			
FLAMING GORGE	3749.0	2934.9	3070.3	—	UPPER GREEN RIVER in UTAH	9	40 28
MOON LAKE	35.8	14.9	23.5	18.1	ASHLEY CREEK	2	17 3
RED FLEET	26.0	21.9	22.5	—	BLACK'S FORK RIVER	3	57 46
STEINAKER	33.3	20.9	22.1	23.0	SHEEP CREEK	2	30 25
STARVATION	165.3	154.6	164.1	113.5	DUCHESNE RIVER	11	65 28
STRAWBERRY-ENLARGED	951.4	559.1	492.8	—	LAKE FORK-YELLOWSTONE CK.	3	102 51
					STRAWBERRY RIVER	4	45 18
					UINTAH-WHITEROCKS RIVERS	3	44 19
					UINTAH BASIN & DAGGET SCD	20	92 17

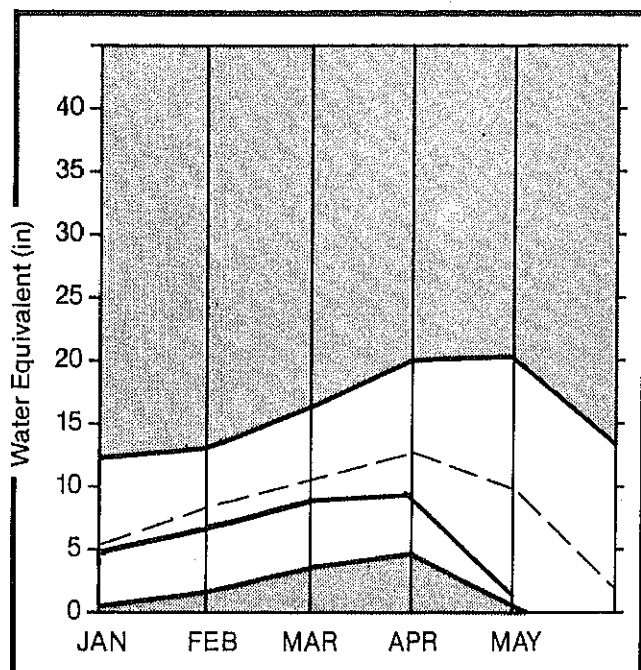
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# Carbon, Emery, Wayne, Grand, and San Juan Co.

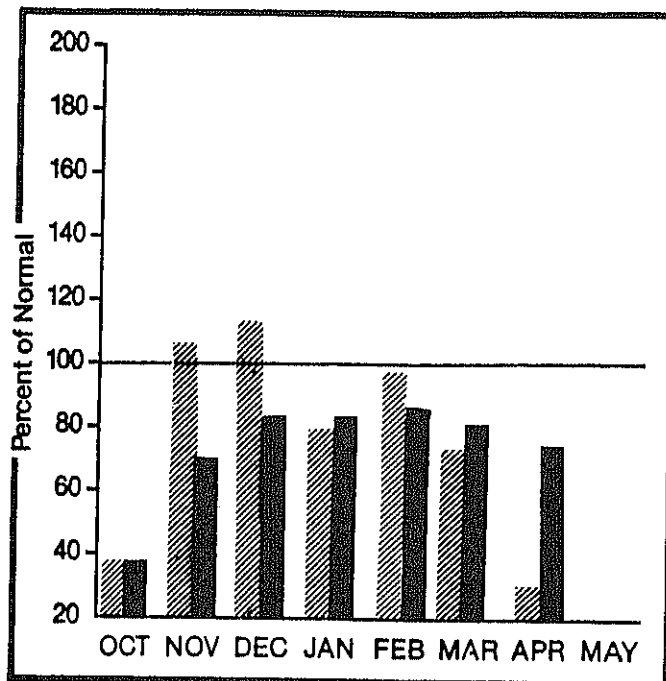
Mountain snowpack\* (Inches)



\*Based on selected stations

Maximum Average   
Minimum Current

Precipitation\* (percent of normal)



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

May first snow water content in southeastern Utah is the lowest it has been since 1977. Snow surveys conducted the last week in April measured an average of only 1.1 inches of snow water compared to 0.3 inches at the same time in the 1977 water year. This amount of snow water is only 11% of average and 18% of last year. Mountain precipitation during April was one-third normal bringing water year accumulation to 74% of average. Area reservoirs are holding near normal volumes of stored water as of the end of April.

For more information contact your local  
Soil Conservation Service Office:  
Price Field Office 801-637-0041

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
GOOSEBERRY CREEK nr Scofield	APR-JUL	7.9	66			10.5	5.3	12.0
SCOFIELD RESERVOIR inflow	APR-JUL	26	57			34	20	46
PRICE RIVER nr Heiner 2	APR-JUL	35	59			45	27	59
GREEN RIVER at Green River, UT 2	APR-JUL	1900	60			2500	1300	3182
HUNTINGTON CREEK inf to Electric Lak	APR-JUL	9.0	60			11.4	7.0	15.1
HUNTINGTON CREEK nr Huntington 2	APR-JUL	28	51			37	21	55
COTTONWOOD CREEK nr Orangeville 2	APR-JUL	27	57			42	12.4	47
FERRON CREEK nr Ferron	APR-JUL	25	61			34	16.0	41
COLORADO nr Cisco, UT 2	APR-JUL	2300	67			3130	1580	3443
MILL CREEK nr Moab	APR-JUL	4.0	73			5.2	2.8	5.5
SEVEN MILE CREEK nr Fish Lake	APR-JUL	4.0	62			5.4	2.6	6.5
MUDDY CREEK nr Emery	APR-JUL	19.0	62			17.4	8.6	21
SAN JUAN RIVER nr Archuleta 2	APR-JUL	540	71			745	370	764
SAN JUAN nr Bluff, UT 2	APR-JUL	740	68			1080	465	1091

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE : CAPACITY:	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
HUNTINGTON NORTH	3.9	3.7	4.2	3.9	PRICE RIVER	3	0	4
JOE'S VALLEY	61.6	42.3	44.8	48.8	SAN RAFAEL RIVER	7	34	23
KEN'S LAKE	2.3	0.5	1.4	---	MUDDY RIVER	2	0	0
MILL SITE	16.7	11.0	9.4	6.3	FREMONT RIVER	4	1	0
SCOFIELD	65.8	37.1	47.7	36.6	LASAL MOUNTAINS	2	0	0
					BLUE MOUNTAINS	2	0	0
					WILLOW CREEK - WHITE RIVE	2	0	0
					SOUTHEASTERN UTAH	21	10	11

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

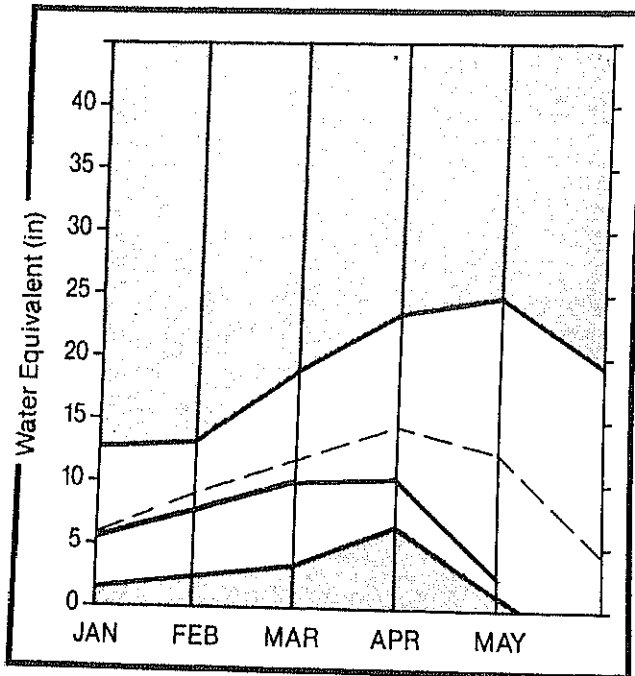
REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.



# Sevier & Beaver River Basins

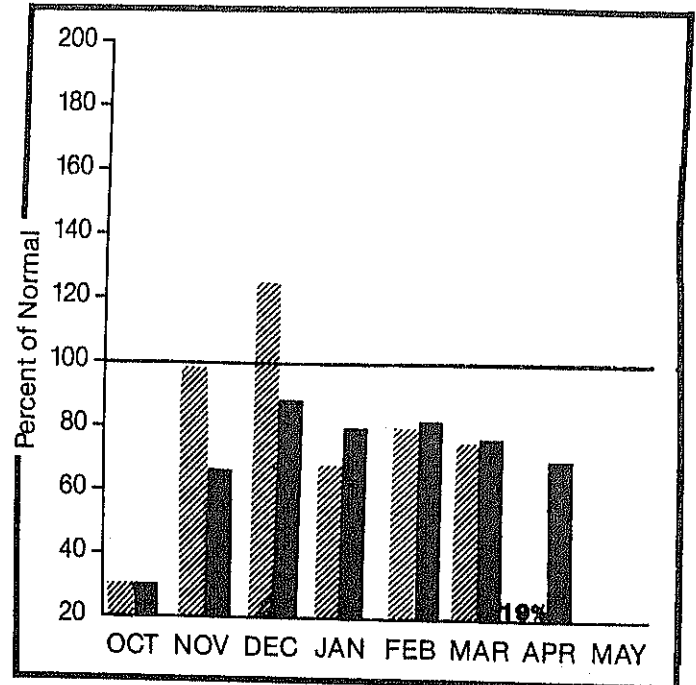
Mountain snowpack\* (inches)



\*Based on selected stations

Maximum Average Minimum Current

Precipitation\* (percent of normal)



\*Based on selected stations

Monthly precipitation Year to date precipitation

## WATER SUPPLY OUTLOOK:

Water content in the Sevier River watershed snowpack during the May first survey was measured at only 19% of average which is about one-fourth as much as last year. This is the least snow measured on May first since 1977. April precipitation at mountain sites was less than 20% of normal. Accompanying high temperatures produced over four-times as much snow water content loss during April as is usually experienced. Water year precipitation at mountain sites is 70% of normal. Reservoir storage is 36% above average.

For more information contact your local  
Soil Conservation Service Office:  
Richfield Field Office 801-896-6261  
Fillmore Field Office 801-743-6655

# SEVIER & BEAVER RIVER BASINS

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
SEVIER at Hatch	APR-JUL	27	52			42	16.1	52
SEVIER near Circleville	APR-JUL	26	59					44
SEVIER near Kingston	APR-JUL	17.5	51			27	8.3	34
ANTIMONY CREEK near Antimony	APR-JUL	4.8	54					8.9
E F SEVIER near Kingston	APR-JUL	15.0	63			30	5.4	24
SEVIER blw Piute Dam	APR-JUL	29	52			66	15.6	56
CLEAR CREEK near Sevier	APR-JUL	13.4	61					22
SIGURD to GUNNISON	APR-JUL	24	55			33	12.1	44
KINGSTON to VERMILLION DAM	APR-JUL	11.0	58					18.9
VERMILLION DAM to GUNNISON	APR-JUN	19.6	49					40
SALINA CREEK at Salina	APR-JUN	9.1	50					18.2
PLEASANT CREEK near Pleasant	APR-JUL	5.9	51					11.5
EPHRAIM CREEK near Ephraim	APR-JUL	12.3	49					25
SEVIER nr Gunnison	APR-JUL	51	52					99
CHICKEN CREEK near Lavan	APR-JUL	2.1	60			3.2	1.1	3.5
OAK CREEK near Oak City	APR-JUL	0.7	44			1.6	0.3	1.6
CHALK CREEK near Fillmore	APR-JUL	9.0	55	10.8	7.2	12.4	5.6	16.4
BEAVER RIVER near Beaver	APR-JUL	15.0	58	16.4	13.6	24	5.8	27
NORTH CREEK near Beaver (combined)	APR-JUL	9.0	62	9.9	8.1	17.3	4.5	14.6
MINERSVILLE RESERVOIR inflow	APR-JUN	7.0	49			12.6	3.1	14.3

## RESERVOIR STORAGE (1000AF)

## WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE	THIS YEAR	LAST YEAR	AVG.	WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
GUNNISON	20.3	16.9	20.3	14.9		U SEVIER (s of Richfield)	11	5	4
MINERSVILLE (RkyFd)	26.0	20.6	22.9	14.6		EAST FORK SEVIER RIVER	4	6	4
OTTER CREEK	52.7	51.4	52.7	39.5		SOUTH FORK SEVIER RIVER	7	4	3
PIUTE	71.8	54.4	71.1	44.7		LOWER SEVIER RIVER	12	36	24
SEVIER BRIDGE	236.0	196.6	227.6	136.0		BEAVER RIVER	3	34	29
PANQUITCH LAKE	22.3	19.8	21.0	---		SEVIER & BEAVER R. BASINS	26	26	19

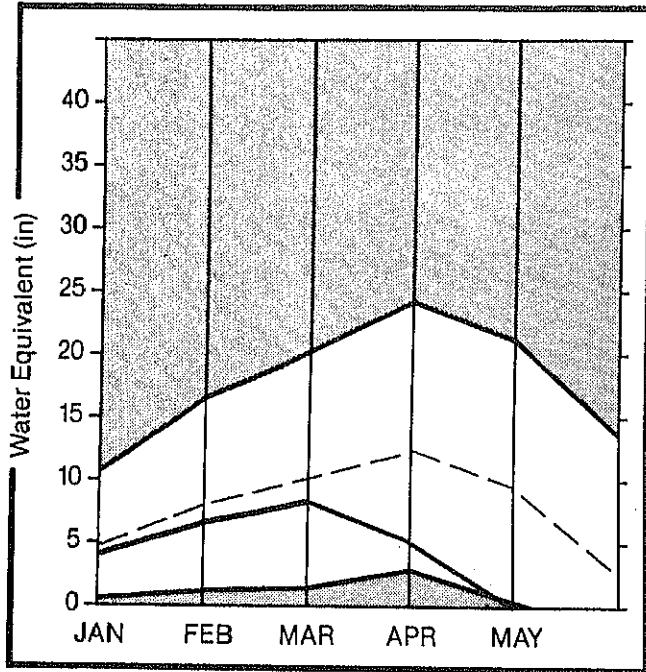
WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

# E. Garfield, Kane, Washington, & Iron Co.

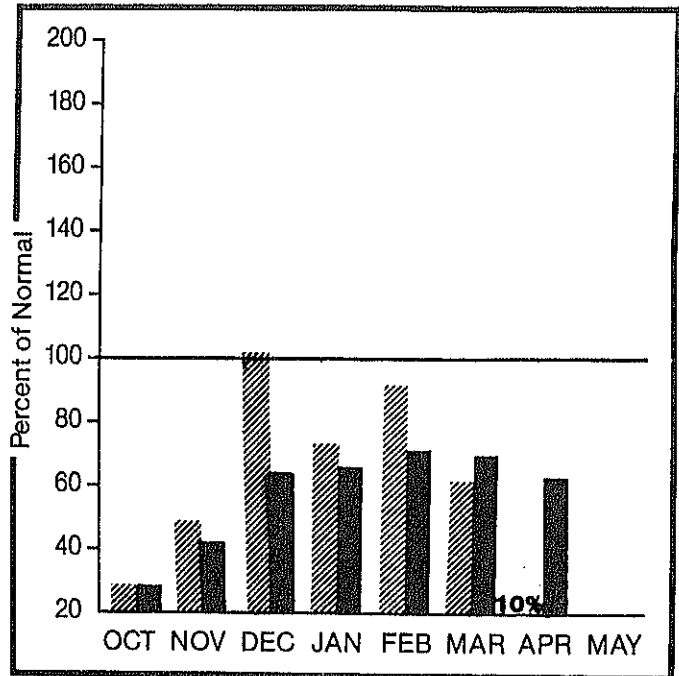
**Mountain snowpack\*** (inches)





\*Based on selected stations

Maximum  Average   
Minimum  Current 

**Precipitation\*** (percent of normal)



\*Based on selected stations

Monthly precipitation  Year to date precipitation 

## WATER SUPPLY OUTLOOK:

Only two of the twelve snow courses measured in southwestern Utah on the May first survey had a trace of snow. This is drier than even the extremely dry 1977 water year. Mountain precipitation during April was 10% of normal. Precipitation for the water year has fallen to 61% of normal. December is the only month this water year in which precipitation exceeded average. The other six months have recorded much below average precipitation. Streamflow projections for May through July for local streams are 80% below normal. Gunlock Reservoir is holding only 75% of capacity--down from 83% last month.

For more information contact your local  
Soil Conservation Service Office:  
Cedar City Field Office 801-586-2429

## STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	WET SUBS. (1000AF)	DRY SUBS. (1000AF)	REAS. MAX. (1000AF)	REAS. MIN. (1000AF)	25 YR. AVG. (1000AF)
COAL CREEK near Cedar City	MAY-JUL	4.0	24					16.8
COLORADO RIVER inf to Lake Powell 2	APR-JUL	4800	59			6500	3260	8086
VIRGIN near Hurricane	MAY-JUN	10.0	23					44
SANTA CLARA near Pine Valley	MAY-JUN	1.0	25					4.0

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR. AVERAGE
		THIS YEAR	LAST YEAR	AVG.			
GUNLOCK	10.4	7.8	10.9	---	VIRGIN RIVER	5	0 0
LAKE POWELL	25002.0	21309.0	22452.0	---	PAROWAN	4	0 0
QUAIL CREEK		NO REPORT			ENTERPRISE TO NEW HARMONY	2	0 0
UPPER ENTERPRISE	10.0	0.9	2.8	---	COAL CREEK	3	0 0
LOWER ENTERPRISE	2.6	0.8	1.0	---	ESCALANTE RIVER	2	2 1
					SOUTHWESTERN UTAH	12	0 0

WET SUBS. and DRY SUBS. represent 130 and 70 percent subsequent precipitation events respectively.

REAS. MAX. and REAS. MIN. forecasts are for 10% and 90% exceedance levels.

(2) - Corrected for upstream diversions or changes in reservoir storage.

# SNOW MEASUREMENT DATA

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ALTA CENTRAL	8800	05/01	68	28.5	19.5	40.3
ASHLEY TWIN LAKES	10500				6.2	18.0
ATWOOD LAKE	10840				5.8	13.3
ATWOOD LAKE SNOTEL	10840	04/24	-	4.6	5.8	13.0
BEAVER CREEK DIVIDE	8280	04/25	0	0.0	0.0	6.5
BEAVER DIVIDE SNOTL	8280	04/24	-	0.0	0.1	4.2
BEAVER DAMS	8000	04/27	0	0.0	0.0	8.0
BEAVER DAMS SNOTEL	8000	04/24	-	0.0	0.0	8.0
BEN LOMOND PEAK	8000	04/24	52	27.2	16.6	39.4
BEN LOMOND PK SNOTL	8000	04/24	-	32.7	18.7	43.8
BEN LOMOND TRAIL	6000	04/24	0	0.0	.0	9.6
BEN LOMOND TR SNOTL	6000	04/24	-	0.0	0.5	8.2
BEVAN'S CABIN	6450	04/25	0	0.0	.0	5.5
BIG FLAT	10290	04/27	34	10.2	19.6	21.6
BIG FLAT SNOTEL	10290	04/24	-	11.8	20.0	21.3
BIRCH CROSSING	8100	04/26	0	0.0	0.0	2.0
BLACK'S FLAT-U.M. CK	9400	04/27	0	0.0	6.3	9.4
BLACK FLAT-U.M. CK S	9400	04/24	-	0.0	7.3	9.1
BLACK'S FORK	9200	04/28	0	0.0	9.0	11.9
BLACK'S FORK GS-EF	9340	04/25	6	1.7	7.7	9.9
BLACK'S FORK JUNCTN	8930	04/25	0	0.0	5.4	8.3
BOX CREEK	9300	04/27	4	1.2	11.8	13.2
BOX CREEK SNOTEL	9300	04/24	-	0.0	13.7	11.3
BRIAN HEAD	10000	04/27	1	0.1	23.8	22.0
BRIGHTON	8750	04/27	54	19.5	12.9	31.2
BRIGHTON SNOTEL	8750	04/24	-	21.3	14.5	31.2
BRIGHTON CABIN	8700	05/01	42	16.0	8.9	25.5
BROWN DUCK RIDGE	10600	04/27	43	15.4	12.5	22.4
BROWN DUCK SNOTEL	10600	04/24	-	14.5	14.0	19.8
BRYCE CANYON	8000	04/26	0	0.0	0.0	0.6
BUCK FLAT	9800	04/28	4	1.2	11.8	17.2
BUCK FLAT SNOTEL	9800	04/24	-	2.5	11.9	16.9
BUCK PASTURE	9700				13.0	17.2
BUCKBOARD FLAT	9000	05/04	0	0.0	3.4	8.3
BUG LAKE	7950	04/24	28	11.6	9.9	19.4
BUG LAKE SNOTEL	7950	04/24	-	13.2	11.3	22.9
BURT'S-MILLER RANCH	7900	04/25	0	0.0	0.0	2.4
CAMP JACKSON	8600	05/02	0	0.0	0.4	7.5
CAMP JACKSON SNOTEL	8600	04/24	-	0.0	1.4	8.5
CASTLE VALLEY	9580	04/27	0	0.0	8.0	8.5
CASTLE VALLEY SNOTL	9580	04/24	-	0.0	10.3	11.3
CHALK CREEK #1	9100	04/25	45	18.7	13.2	25.0
CHALK CK #1 SNOTEL	9100	04/24	-	24.7	17.0	23.5
CHALK CREEK #2	8200	04/25	19	6.7	6.1	14.4

## SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
CHALK CK #2 SNOTEL	8200	04/24	-	7.9	6.9	11.7
CHALK CREEK #3	7500	04/25	0	0.0	0.0	3.1
CHEPETA	10300	04/26	8	1.9	4.2	13.9
CHEPETA SNOTEL	10300	04/24	-	3.0	6.2	12.5
CHEPETA-WHITERKS. LK	10350				11.7	15.7
CITY CREEK	7500	05/01	24	13.1	4.2	23.2
CLEAR CREEK MEADOWS	9420				-	20.6
CLEAR CREEK RIDGE #1	9200	04/27	9	2.9	9.7	18.0
CLEAR CK RIDG #1 SNT	9200	04/24	-	3.9	8.4	16.9
CLEAR CREEK RIDGE #2	8000	04/27	3	0.9	5.3	10.8
CLEAR CK RIDG #2 SNT	8000	04/24	-	0.0	3.4	8.7
CLEAR CREEK RIDGE #3	6600	04/27	0	0.0	0.0	0.1
CURRENT CREEK	8000	04/28	0	0.0	0.0	2.8
CURRENT CREEK SNOTEL	8000	04/24	-	0.0	0.0	3.3
DANIELS-STRAWBERRY	8000	04/28	4	0.8	0.3	9.9
DANIELS-STRAWBERRY S	8000	04/24	-	0.0	1.1	11.2
DESERET PEAK	9250	04/23	30	11.7	-	26.9
DESERET PEAK AM	9250	04/25	19	7.4	9.8	26.9
DESERET PEAK SNOTEL	9250	04/24	-	15.7	-	26.9
DILL'S CAMP	9200	04/28	0	0.0	4.5	9.4
DILL'S CAMP SNOTEL	9200	04/24	-	0.0	6.7	12.7
DONKEY RESERVOIR	9800	04/27	1	0.1	3.2	5.5
DONKEY RESERVOIR SNO	9800	04/24	-	0.0	5.8	5.5
DRY BREAD POND	8350	04/24	12	5.2	5.1	18.2
DRY BREAD POND SNOTL	8350	04/24	-	16.6	10.1	21.2
DUCK CREEK R.S.	8700	04/27	0	0.0	2.1	9.2
EAST SHINGLE LAKE	9800				15.8	28.9
EAST WILLOW CREEK	8250				-	7.2
EAST WILLOW CREEK SN	8250	04/24	-	0.0	0.0	7.2
FARMINGTON CANYON	8000	04/24	48	24.2	11.0	33.7
FARMINGTON CN SNOTEL	8000	04/24	-	25.4	10.7	31.5
FARMINGTON CANYON L.	6950	04/24	28	14.4	6.1	23.7
FARNSWORTH LAKE	9600	04/28	32	11.2	21.1	22.9
FARNSWORTH LK SNOTEL	9600	04/24	-	13.5	21.9	22.2
FISH LAKE	8700	04/27	0	0.0	3.2	5.9
FIVE POINT LAKE	10920				10.8	18.4
FIVE POINTS LAKE SNO	10920	04/24	-	10.2	9.0	17.2
FRANCES FLATS	6700	05/01	0	0.0	0.0	0.7
G.B.R.C. HEADQUARTER	8700	04/27	10	3.3	11.9	17.6
G.B.R.C. MEADOWS	10000	04/27	34	11.6	20.0	27.2
GARDEN CITY SUMMIT	7600	04/24	26	11.0	7.5	17.2
GEORGE CREEK	8840				-	-
GOOSEBERRY R.S.	8000	04/27	0	0.0	6.3	10.0
GOOSEBERRY R.S. SNOT	8000	04/24	-	0.0	0.0	5.9
HARDSCRABBLE	6700	04/24	1	0.4	0.0	11.1
HARRIS FLAT	7700	04/27	0	0.0	1.2	2.9
HARRIS FLAT SNOTEL	7700	04/24	-	0.0	1.1	2.1
HAYDEN FORK	9400	04/25	15	5.5	8.1	16.1
HAYDEN FORK SNOTEL	9100	04/24	-	0.0	5.7	13.7

## SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
HENRY'S FORK	10000				10.9	13.4
HEWINTA G.S.	9500	04/25	5	1.4	8.7	10.2
HEWINTA SNOTEL	9500	04/24	-	2.8	9.3	10.2
HICKERSON PARK	9100	04/25	0	0.0	6.3	6.5
HICKERSON PARK SNOTE	9100	04/24	-	0.0	6.8	6.5
HIDDEN SPRINGS	5500	05/01	0	0.0	0.0	0.4
HOLE-IN-THE-ROCK	9150	04/25	0	0.0	3.5	6.0
HOLE-IN-THE-ROCK SNOTEL	9150	04/24	-	0.0	5.8	6.0
HOLE-IN-THE-ROCK GS	8300				-	0.0
HOBBLE CREEK SUMMIT	7420	04/27	4	0.7	0.0	8.3
HORSE RIDGE	8260	04/24	22	10.5	4.0	20.0
HORSE RIDGE SNOTEL	8260	04/24	-	13.8	4.5	18.8
HUNTINGTON-HORSESHOE	9800	04/27	36	14.5	20.8	27.4
INDIAN CANYON	9100	04/27	0	0.0	6.2	10.9
INDIAN CANYON SNOTEL	9100	04/24	-	0.0	6.2	11.2
JOHNSON VALLEY	8850	04/27	0	0.0	0.0	4.6
KILFOIL CREEK	7300	04/24	11	4.6	1.6	10.7
KILLYON CANYON	6300	05/01	0	0.0	0.0	0.0
KIMBERLY MINE (UPPER)	9300	04/27	6	2.0	13.9	17.2
KIMBERLY MINE SNOTEL	9300	04/24	-	0.0	12.2	14.8
KING'S CABIN (UPPER)	8730	04/25	2	0.6	0.8	9.8
KING'S CABIN SNOTEL	8730	04/24	-	0.0	0.5	9.8
KLONDIKE NARROWS	7400	04/24	17	8.0	3.7	15.8
KOLOB-CRYSTAL	9250	04/27	0	0.0	20.2	21.6
KOLOB SNOTEL	9250	04/24	-	0.0	22.7	21.4
LAKEFORK BASIN	10900				12.6	22.4
LAKEFORK BASIN SNOTE	10900	04/24	-	19.5	17.2	17.5
LAKEFORK MOUNTAIN #1	10100	04/26	12	3.1	5.7	12.1
LAKEFORK #1 SNOTEL	10100	04/24	-	2.6	6.2	11.1
LAKEFORK MOUNTAIN #3	8400	04/26	0	0.0	0.0	2.0
LAMBS CANYON	7400	04/27	6	1.4	2.5	11.0
LASAL MOUNTAIN LOWER	8800	05/03	0	0.0	0.6	5.3
LASAL MOUNTAIN (UPP)	9850	05/03	0	0.0	13.0	14.4
LASAL MOUNTAIN SNOTE	9850	04/24	-	0.0	5.2	13.4
LIGHTNING LAKE	10500				13.4	25.8
LIGHTNING LAKE SNOTE	10500	04/24	-	21.7	18.7	27.3
LILY LAKE	9050	04/25	9	3.2	4.6	14.2
LILY LAKE SNOTEL	9050	04/24	-	3.5	5.9	10.7
LITTLE BEAR (LOWER)	6000	04/24	0	0.0	0.0	1.9
LITTLE BEAR (UPPER)	6550	04/24	0	0.0	0.0	5.6
LITTLE BEAR SNOTEL	6550	04/24	-	0.0	0.0	4.3
LITTLE GRASSY CREEK	6100	04/27	0	0.0	0.0	0.1
LITTLE GRASSY SNOTEL	6100	04/24	-	0.0	0.5	0.1
LONG FLAT	8000	04/27	0	0.0	0.0	2.0
LONG FLAT SNOTEL	8000	04/24	-	0.0	1.8	2.6
LONG VALLEY JCT.	7500	04/27	0	0.0	0.7	0.0
LONG VALLEY JCT. SNT	7500	04/24	-	0.0	0.0	0.0

## SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
LOOKOUT PEAK	8200	04/24	33	17.2	-	19.0
LOOKOUT PEAK SNOTEL	8200	04/24	-	14.0	-	19.0
LOST CREEK RESERVOIR	6130	04/24	0	0.0	0.0	0.0
MAMMOTH-COTTONWOOD	8800	04/27	15	5.8	13.2	20.9
MAMMOTH-COTTONWD SNT	8800	04/24	-	0.5	9.5	17.5
MERCHANT VALLEY (UP)	8750	04/27	5	0.7	6.9	7.9
MERCHANT VALLEY SNOT	8750	04/24	-	0.0	7.4	7.6
MIDDLE BEAVER CREEK	8650				-	4.0
MIDDLE CANYON	7000	04/25	0	0.0	0.0	10.0
MIDWAY VALLEY	9800	04/27	1	0.1	23.0	24.1
MIDWAY VALLEY SNOTEL	9800	04/24	-	4.1	26.0	21.6
MILL CREEK	6950	04/26	29	12.5	10.0	20.6
MILL-D SOUTH FORK	7400	04/27	10	1.1	2.8	15.4
MILL-D NORTH	8960	04/24	38	18.9	-	32.2
MILL-D NORTH SNOTEL	8960	04/24	-	18.5	-	32.2
MINING FORK	8000	04/25	18	7.2	-	25.8
MINING FORK SNOTEL	8000	04/24	-	6.9	-	25.8
MONTE CRISTO R.S.	8960	04/24	40	18.3	12.9	26.5
MONTE CRISTO SNOTEL	8960	04/24	-	25.6	19.8	29.1
MOSBY MOUNTAIN (LOW)	9500	04/26	6	1.5	4.0	10.5
MOSBY MTN. SNOTEL	9500	04/24	-	4.5	7.1	13.0
MT. BALDY R.S.	9500	04/27	35	12.9	20.9	26.2
MUD CREEK #2	8600	04/27	2	0.9	4.8	8.9
OAK CREEK	7760	04/27	2	0.2	6.0	9.5
ONE MILE SUMMIT	7330				-	0.0
OTTER LAKE	9600	04/27	10	2.0	11.9	14.5
PANQUITCH LAKE	8200	04/27	0	0.0	0.5	1.3
PARADISE PARK	10100	04/26	15	4.2	9.0	15.2
PARLEY'S CANYON SUM.	7500	04/26	15	4.7	3.7	14.2
PARLEY'S CANYON SNOT	7500	04/24	-	0.0	0.2	11.2
PAYSON R.S.	8050	04/27	4	0.5	7.2	16.3
PAYSON R.S. SNOTEL	8050	04/24	-	0.0	10.9	16.7
PICKLE KEG SPRING	9600	04/28	1	0.1	11.9	15.8
PICKLE KEG SNOTEL	9600	04/24	-	3.1	13.4	16.6
PINE CANYON	8000	04/24	11	5.1	1.6	14.8
PINE CREEK	8800	04/27	0	0.0	13.0	15.5
PINE CREEK SNOTEL	8800	04/24	-	0.0	19.7	15.5
REDDEN MINE LOWER	8500	04/25	9	3.3	9.5	17.9
RED PINE RIDGE	9200	04/27	3	0.6	11.4	15.9
RED PINE RIDGE SNOTE	9200	04/24	-	0.6	11.3	15.6
REES'S FLAT	7300	04/27	1	0.1	2.7	11.0
REYNOLDS PARK	10400				12.9	18.0
ROCK CREEK	7900	04/27	0	0.0	0.0	1.4
ROCK CREEK SNOTEL	7900	04/24	-	0.0	0.0	0.2
ROCKY BASIN-SETTLEMT	8900	04/24	34	14.8	15.2	30.0



## SNOW MEASUREMENT DATA (cont.)

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
ROCKY BN-SETTLEMT SN	8900	04/24	-	9.5	11.2	24.8
SEELEY CREEK R.S.	10000	04/27	19	6.2	15.5	19.0
SEELEY CREEK SNOTEL	10000	04/24	-	5.6	13.5	17.0
SERGEANT LAKES	8300				5.7	11.7
SHINGLE MILL	6200	04/24	0	0.0	0.0	3.3
SILVER LAKE (BRIGHT.)	8730	04/27	46	19.4	14.2	28.2
SMITH & MOREHOUSE	7600	04/25	0	0.0	0.8	9.2
SMITH MOREHOUSE SNTL	7600	04/24	-	0.6	3.2	7.7
SNOWBIRD GAD VALLEY	9700	04/26	77	32.2	-	40.0
SOAPSTONE R.S.	7800	04/25	0	0.0	0.0	7.2
SPIRIT LAKE	10300	04/25	16	5.6	9.2	15.9
SQUAW SPRINGS	9300	04/27	0	0.0	0.0	4.9
STEEL CREEK PARK	10100	04/25	45	15.5	17.0	19.0
STEEL CREEK PARK SNO	10100	04/24	-	15.9	16.5	17.7
STILLWATER CAMP	8550	04/25	0	0.0	1.8	8.4
STRAWBERRY DIVIDE	8400	04/29	15	6.1	8.8	14.9
STRAWBERRY DIVIDE SN	8400	04/24	-	1.1	4.5	17.2
STUART R.S.	7950	04/27	0	0.0	0.0	2.3
SUSC RANCH	8200	04/26	0	0.0	0.0	2.7
TALL POLES	8800	04/26	0	0.0	11.7	12.7
THAYNES CANYON	9200				-	23.7
THAYNES CANYON SNOTL	9200	04/24	-	15.5	-	23.7
THISTLE FLAT	8500				-	17.5
TIMPANOGOS DIVIDE	8140	04/28	12	3.7	4.5	23.0
TIMPANOGOS DIVIDE SN	8140	04/24	-	2.7	3.2	19.9
TONY GROVE LAKE	8400	04/26	76	33.6	21.3	35.8
TONY GROVE LK SNOTEL	8400	04/24	-	36.4	21.3	33.7
TONY GROVE R.S.	6250	04/24	0	0.0	0.0	3.8
TRIAL LAKE	9960	04/25	46	18.1	12.3	26.6
TRIAL LAKE SNOTEL	9960	04/24	-	25.2	16.8	25.7
TROUT CREEK	9400	04/25	0	0.0	2.8	10.1
TROUT CREEK SNOTEL	9400	04/24	-	0.0	3.7	9.2
UPPER JOES VALLEY	8900	04/27	1	0.1	1.9	6.6
VERNON CREEK	7500	05/01	0	0.0	0.0	5.1
VERNON CREEK SNOTEL	7500	04/24	-	0.0	0.0	7.9
VIPONT	7670				-	8.0
WEBSTER FLAT	9200	04/27	0	0.0	11.6	16.3
WEBSTER FLAT SNOTEL	9200	04/24	-	0.0	5.8	6.7
WHITE RIVER #1	8550	04/27	0	0.0	6.6	10.6
WHITE RIVER #1 SNOTE	8550	04/24	-	0.0	6.3	10.2
WHITE RIVER #3	7400	04/27	0	0.0	0.0	0.8
WIDTSOE-ESCALANTE #3	9500	04/27	1	0.1	9.6	10.5
WIDTSOE #3 SNOTEL	9500	04/24	-	0.0	12.1	11.4
WRIGLEY CREEK	9000	04/28	0	0.0	4.6	9.0
YANKEE RESERVOIR	8700	04/27	0	0.0	7.5	7.3



United States  
Department of  
Agriculture

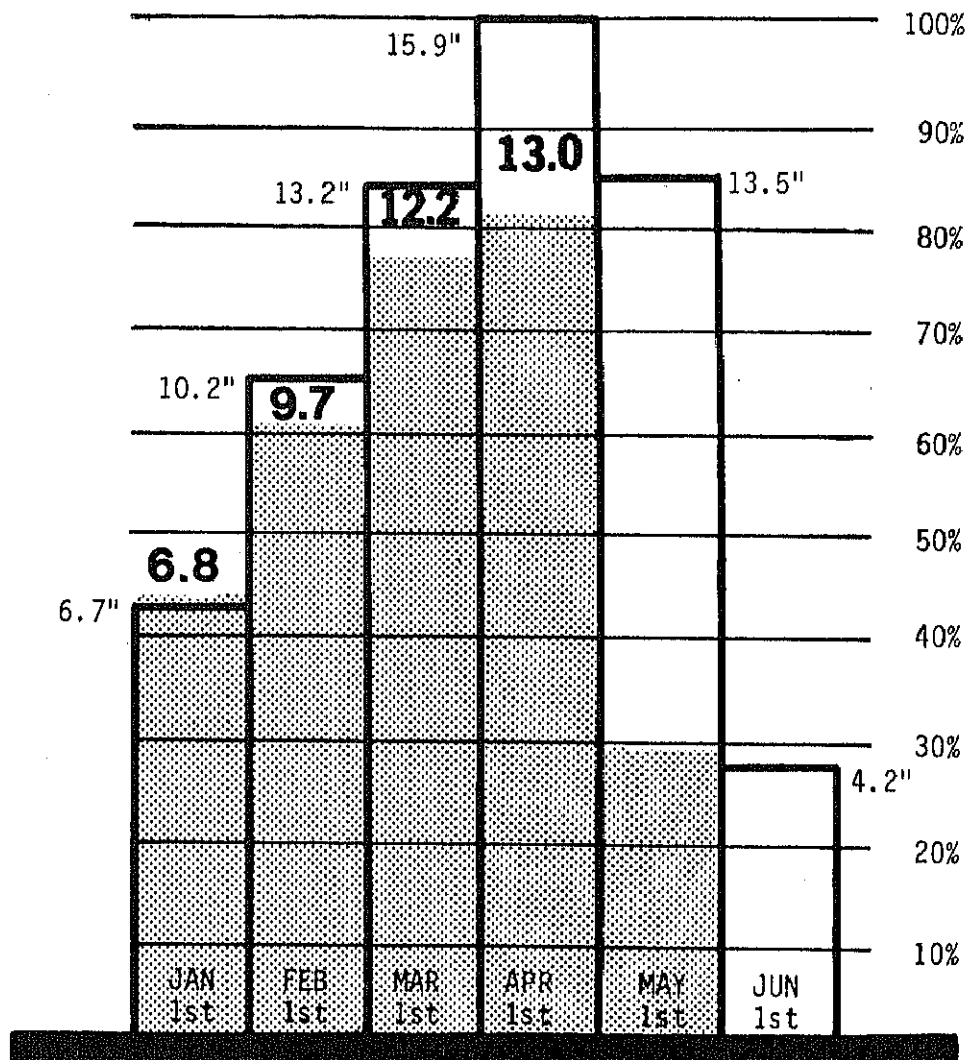
Soil  
Conservation  
Service

Salt Lake City,  
Utah



# Utah Snowpack Progress

## 1989



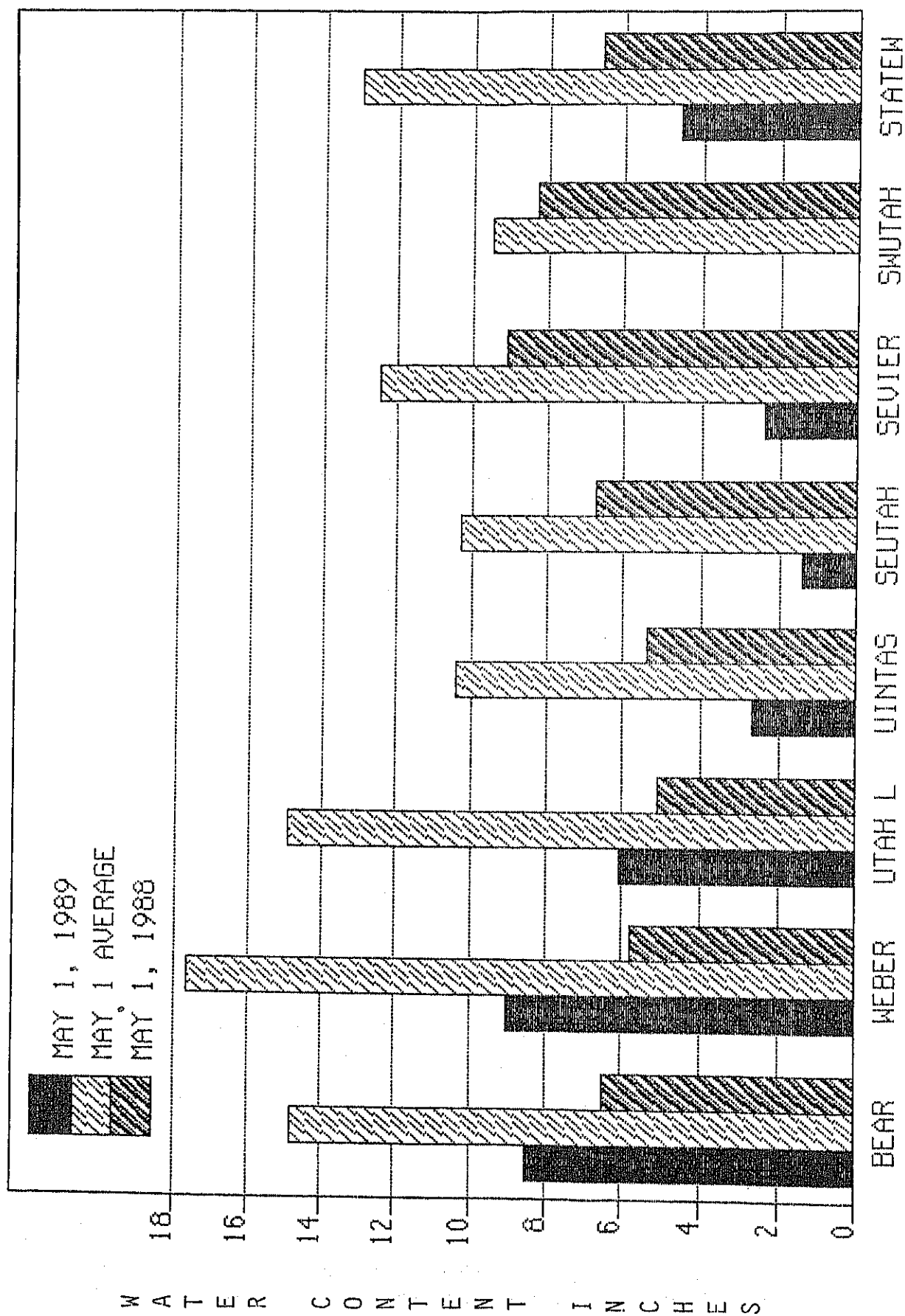
## Statewide

### NOTE :

Snow water equivalent in inches is compared to the highest seasonal amount ( 100% ). Monthly averages are accumulated by basin/state.

Averages are for the period 1961-1985.

# 1989 SNOWPACK COMPARISON



MAY 1, 1989

YOU HAVE BEEN HEARD . . .

A recent evaluation of the Snow Survey and Water Supply Forecasting Program interviewed 200 users of the forecasts. We learned that:

- Users who got their information by accessing our computer were very satisfied;
- Users who depended on the monthly Water Supply Outlook Report needed the information much earlier in the month; and
- The reports contained more information than many users needed.

In summary, we are producing a report that is not doing the job for most users. And we are spending a lot of money on the report.

The state-wide WATER SUPPLY OUTLOOK REPORT will be discontinued. We are proposing three actions for the next water year to better meet your needs:

FIRST, the users' direct access of forecasts by computer will be improved. We will provide better instructions and self-training materials. Also, District Conservationists who have computers will be encouraged to access forecasts and distribute local reports to those users who do not have computer facilities.

SECOND, the SCS state office will prepare individual forecast reports for the major river basins in the state. They will be the same as the reports available on the computer. Users who request it will be on a mailing list to receive one or more of the reports. They will be printed and mailed within a day or two after the basin forecast is completed and available on the computer.

THIRD, for users who are interested in the forecasts for their historical value rather than for decision-making, an annual summary will be provided. A West-Wide Report will continue to be available, published jointly with the National Weather Service.

This summer and fall will be spent developing the details of these new procedures. You will be informed prior to next water year's reports, and new mailing lists will be prepared.

Please call us or write if you have any questions.



# The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

## State

Utah State University  
Utah State Department of Natural Resources  
Division of Wildlife Resources  
Division of Water Resources  
Division of Water Rights  
Bear River Commissioner  
Price River Commissioner  
Provo River Commissioner  
Sevier River Commissioners  
Spanish Fork River Commissioner  
Utah Lake and Jordan River Commissioner

## Federal

U.S. Department of Agriculture  
Soil Conservation Service  
Forest Service  
U.S. Department of Commerce  
NOAA, National Weather Service  
U.S. Department of Interior  
Bureau of Reclamation  
Geological Survey  
National Park Service  
U.S. Army Corps of Engineers

## Municipality

Manti  
Salt Lake City

## Public

Beaver River Water Users Association  
Board of Canal Presidents - Jordan River  
Central Utah Conservancy District  
Emery Canal and Reservoir Company  
Grantsville Irrigation Company  
Grantsville Soil Conservation District  
Moon Lake Water Users Association  
Ogden River Water Users Association  
Provo River Water Users Association  
Strawberry Water Users Association  
Sevier River Water Users Association  
Weber River Water Users Association  
Weber Basin Conservancy District

Other organizations and individuals furnish  
information for the snow survey reports.  
Their cooperation is gratefully acknowledged.

All programs and services of U.S. Dept.  
of Agriculture are available to everyone  
without regard to race, creed, color, sex,  
age, handicap, marital status, or national  
origin.